



## BCP54

FISH FARM  
BIOAUGMENTATION

# BCP54 CONTAINS STRAINS OF BACTERIA:

- EFFECTIVE IN AEROBIC AND ANAEROBIC CONDITIONS
- BIODEGRADE ORGANIC MATERIAL COMPRISED OF PROTEINS, FATS AND CARBOHYDRATES

**Includes a strain of lactobacillus to lower pH.**

### BIOAUGMENTATION WITH BCP54 CAN:

- Increase fish and shrimp farm yield;
- Lower pH;
- Reduce sludge;
- Improve effluent quality;
- Reduce odours;
- Reduce ammonia and other toxins.

### DISCUSSION

Maintaining the clarity of fish farms is often difficult, especially in warm weather, due to excess suspended solids. This can be a commercial as well as an aesthetic problem when aerated ponds are used for fish farming.

Bioaugmentation will reduce cloudiness and promote settling of suspended solids. BCP54 will work at low oxygen levels since it contains both aerobic and facultative anaerobic bacteria to digest and displace the filamentous life forms that are frequently present.

### USER'S TESTIMONIAL

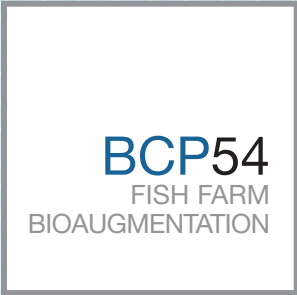
*During April I had an algal bloom and suspended solids the like of which I have never seen before. The problem was so serious that the season was probably going to be lost. I used BCP54 throughout May with some effect, but with the warm weather at the beginning of June it went backwards. I increased the dosage and by the end of the month my water was clean. July with its high temperatures filled me with concern, but I need not have worried. At the time of writing my water is still gin clear. In fact, throughout July the lake fished better than I have ever seen before in such temperatures. Another plus . . . my fish mortality rates have dropped by at least 60%.*

**Neil Johnson**  
Llyn Edna Fly Fishing  
Holyhead, Wales

### SPECIFICATIONS

Description	Tan color, free-flowing granular powder
Packaging	250g water-soluble packages; 10kg plastic pail
Stability	Max. loss of 1 log/yr
pH	6.0 - 8.5
Bulk Density	0.5 - 0.6g/cm <sup>3</sup>
Moisture Content	15%
Nutrient Content	Biological nutrients and stimulants
Bacteria Count	5 billion per gram
Storage and Handling	DO NOT FREEZE! Store in a cool dry location. Do not inhale dust. Avoid excessive skin contact. See MSDS.

**ENHANCE WATER BIOLOGY IN AQUACULTURE LAGOONS**



- Biologicals have two functions in aquaculture:
- Breakdown organic matter at the bottom of the pond (fecal matter, unused food, shrimp carcasses);
  - Control surface algae.

- Effective biological control
- Eliminates ammonia and H<sub>2</sub>S;
  - Reduces waste products at the bottom of the pond and makes cleanout easier;
  - Controls algae and improves water cleaning;
  - Prevents off-flavors and off-odors.

**APPLICATION INSTRUCTIONS**

*Lagoons Systems –*

- *Facultative and aerobic systems* – application rate is based on the lagoon surface area:

Day 1-5	20 kg/10,000m <sup>2</sup> /day
Day 6+	2 kg/10,000m <sup>2</sup> /week

- *Lagoons in cold climates* – commence program when the water temperature is at least 11°C (50°F)

BCP54 can depress dissolved oxygen levels initially, especially in ponds or lagoons with high organic content.

BCP 54 inhibits algae and plant growth for better water clarity.

For individual consultation about your system, contact your BIONETIX technical representative.

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